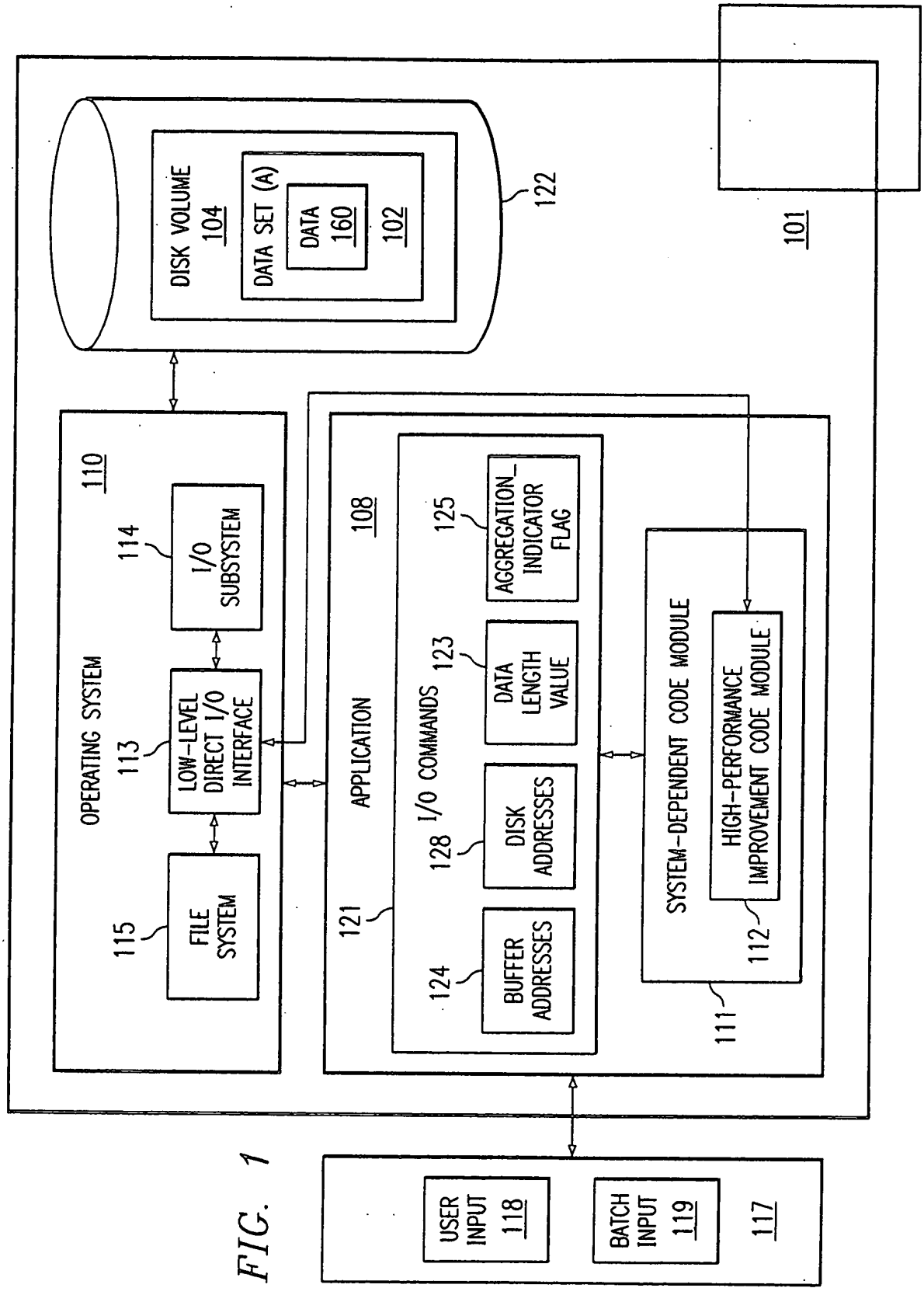
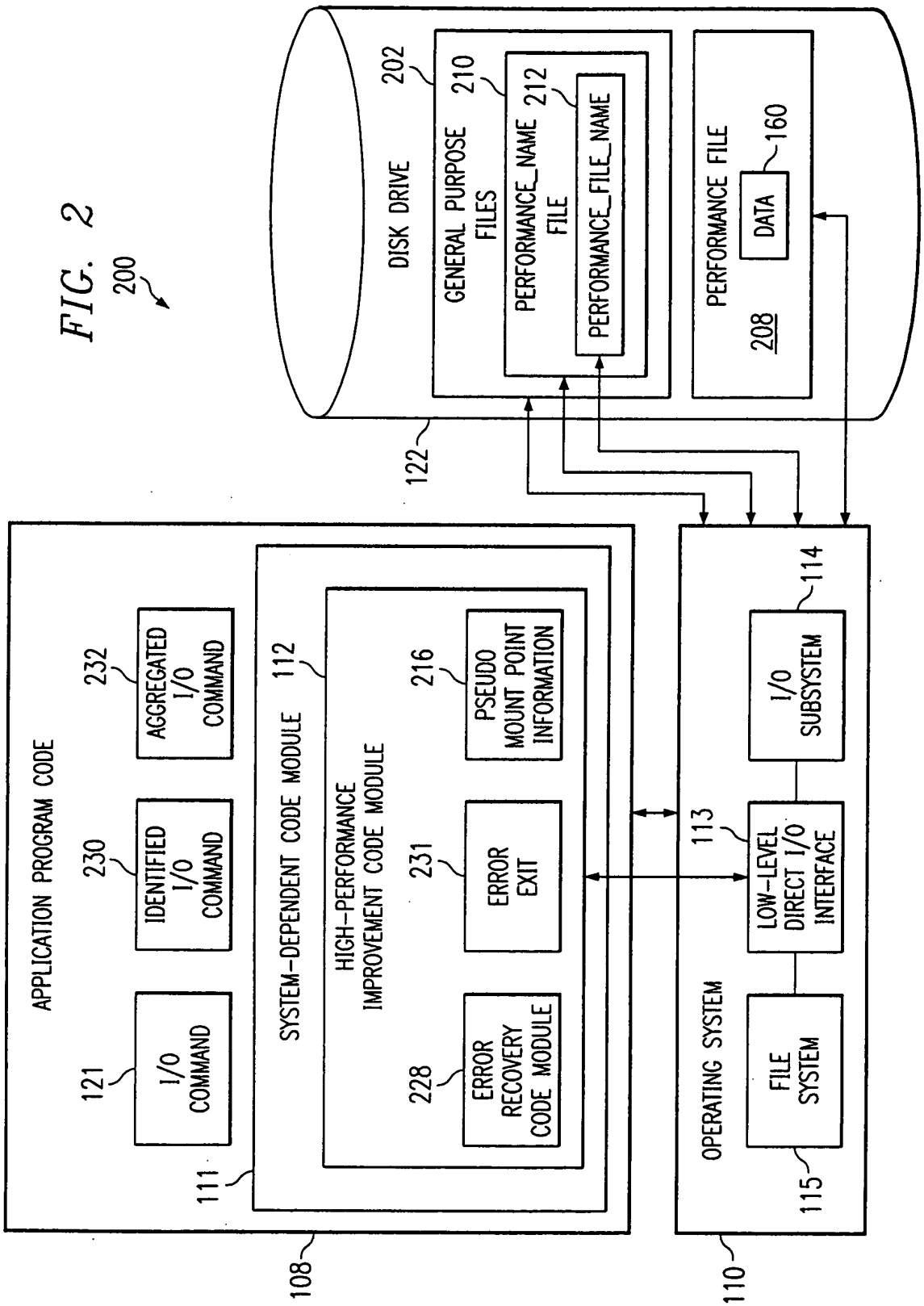

101
122
DISK VOLUME
104
DATA SET (A)
102
DATA
160
OPERATING SYSTEM
110
I/O
SUBSYSTEM
114
LOW-LEVEL
DIRECT I/O
INTERFACE
113
FILE
SYSTEM
115
APPLICATION
108
I/O COMMANDS
121
AGGREGATION_
INDICATOR
FLAG
125
DATA
LENGTH
VALUE
123
DISK
ADDRESSES
128
BUFFER
ADDRESSES
124
SYSTEM-DEPENDENT CODE MODULE
HIGH-PERFORMANCE
IMPROVEMENT CODE MODULE
112
111
USER
INPUT
118
BATCH
INPUT
119
117

FIG. 1

FIG. 2


200
DISK DRIVE
202
GENERAL PURPOSE FILES
210
PERFORMANCE_NAME FILE
212
PERFORMANCE_FILE_NAME
PERFORMANCE FILE
208
DATA
160
122
APPLICATION PROGRAM CODE
121
I/O COMMAND
230
IDENTIFIED I/O COMMAND
232
AGGREGATED I/O COMMAND
111
SYSTEM-DEPENDENT CODE MODULE
112
HIGH-PERFORMANCE IMPROVEMENT CODE MODULE
228
ERROR RECOVERY CODE MODULE
231
ERROR EXIT
216
PSEUDO MOUNT POINT INFORMATION
108
OPERATING SYSTEM
113
LOW-LEVEL DIRECT I/O INTERFACE
114
I/O SUBSYSTEM
115
FILE SYSTEM
110

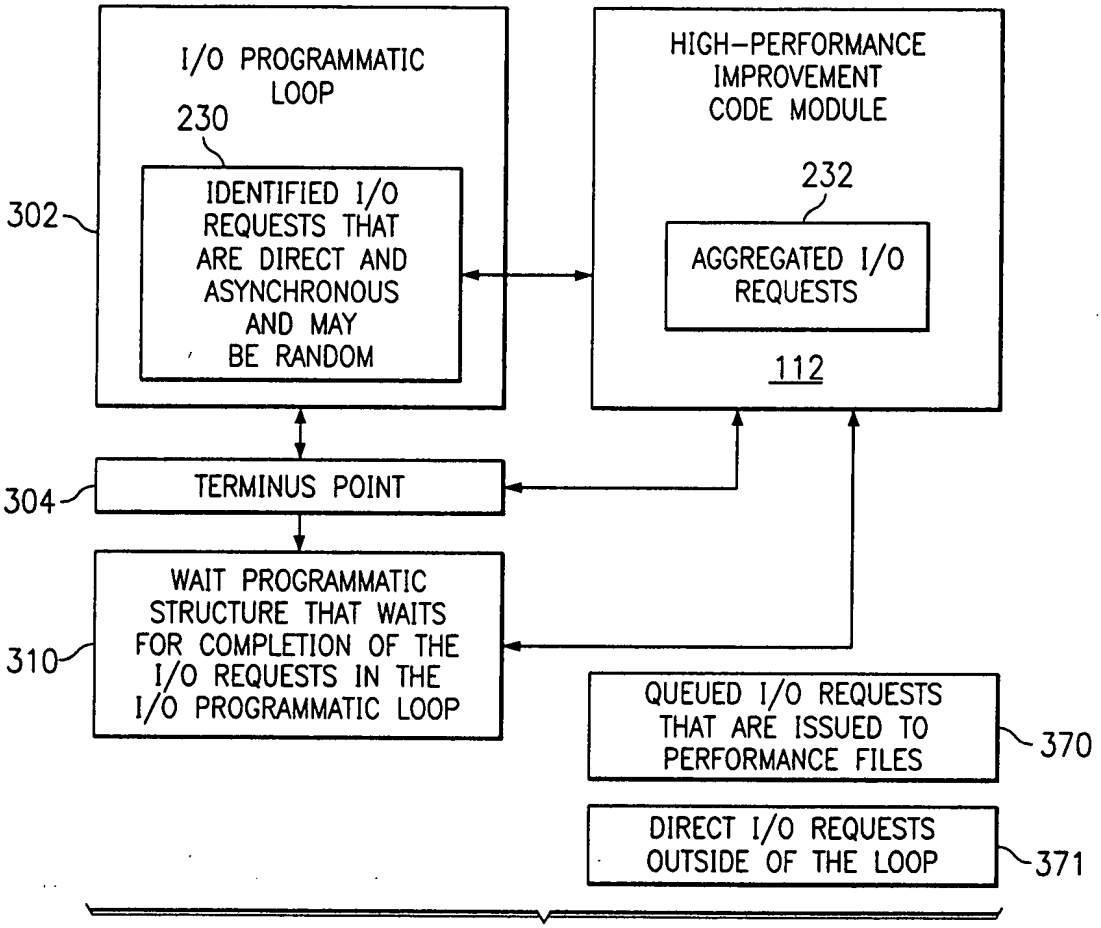

I/O PROGRAMMATIC LOOP
230
IDENTIFIED I/O REQUESTS THAT ARE DIRECT AND ASYNCHRONOUS AND MAY BE RANDOM
302
HIGH-PERFORMANCE IMPROVEMENT CODE MODULE
232
AGGREGATED I/O REQUESTS
112
TERMINUS POINT
304
WAIT PROGRAMMATIC STRUCTURE THAT WAITS FOR COMPLETION OF THE I/O REQUESTS IN THE I/O PROGRAMMATIC LOOP
310
QUEUED I/O REQUESTS THAT ARE ISSUED TO PERFORMANCE FILES
370
DIRECT I/O REQUESTS OUTSIDE OF THE LOOP
371

*FIG. 3*

FIG. 4

FIGURE 4A

FIGURE 4B

FIGURE 4C

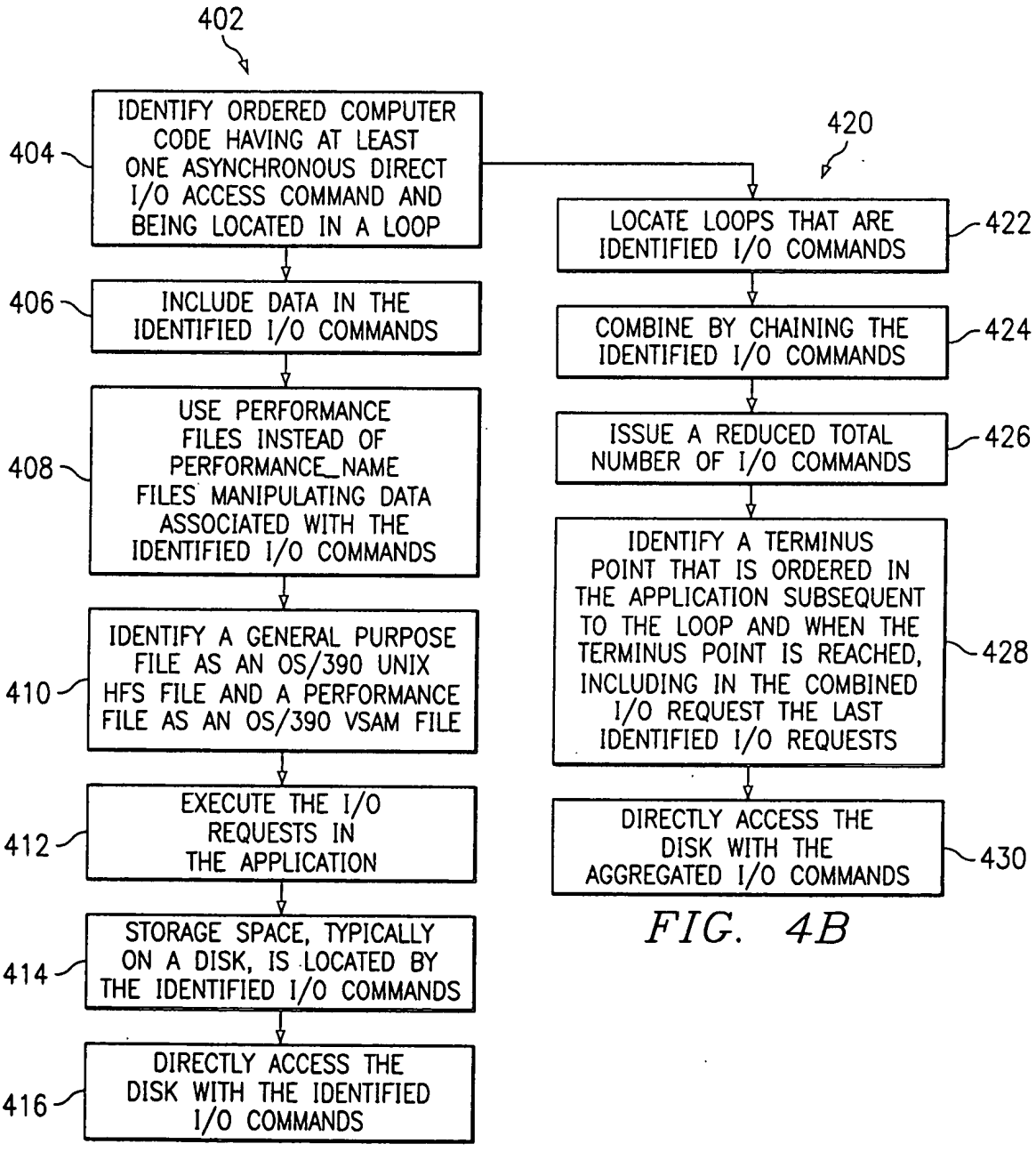



FIG. 4A

FIG. 4B

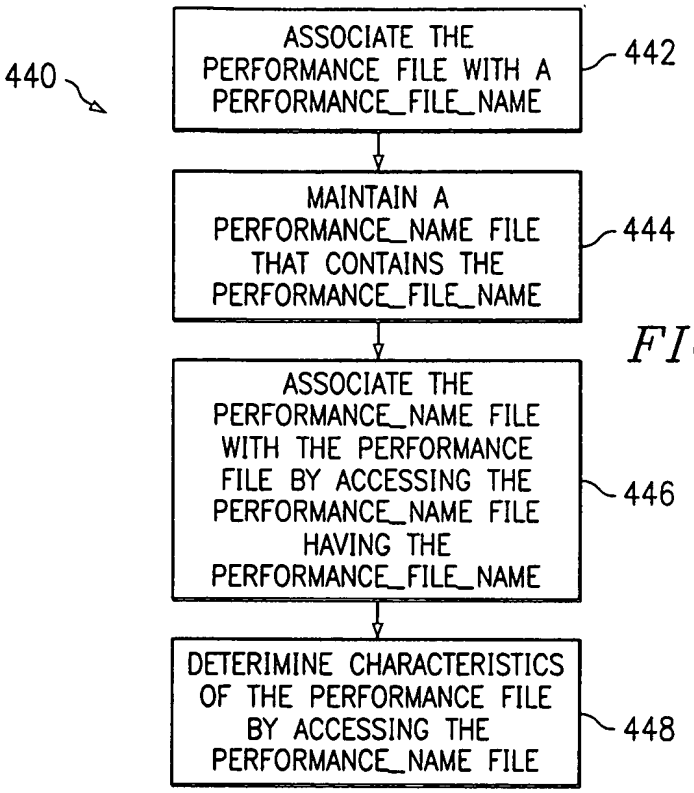
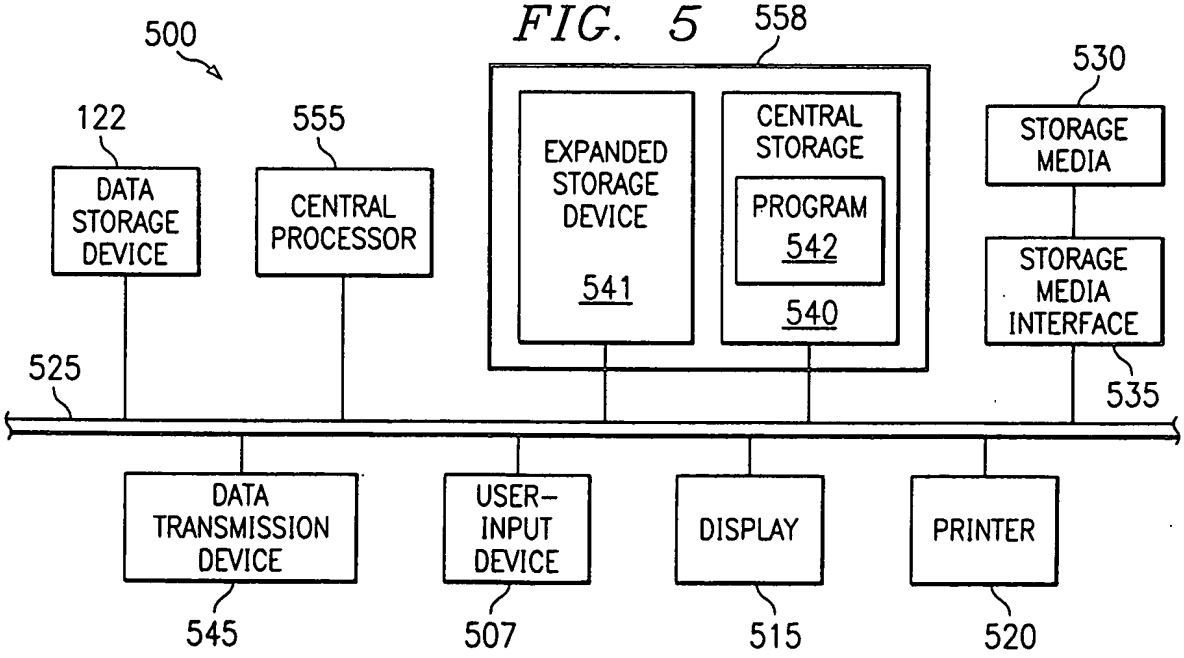

440
ASSOCIATE THE PERFORMANCE FILE WITH A PERFORMANCE_FILE_NAME
442
MAINTAIN A PERFORMANCE_NAME FILE THAT CONTAINS THE PERFORMANCE_FILE_NAME
444
ASSOCIATE THE PERFORMANCE_NAME FILE WITH THE PERFORMANCE FILE BY ACCESSING THE PERFORMANCE_NAME FILE HAVING THE PERFORMANCE_FILE_NAME
446
DETERIMINE CHARACTERISTICS OF THE PERFORMANCE FILE BY ACCESSING THE PERFORMANCE_NAME FILE
448

FIG. 4C

FIG. 5


500
558
530
122
555
DATA STORAGE DEVICE
CENTRAL PROCESSOR
EXPANDED STORAGE DEVICE
541
CENTRAL STORAGE
PROGRAM
542
540
STORAGE MEDIA
STORAGE MEDIA INTERFACE
525
535
DATA TRANSMISSION DEVICE
USER-INPUT DEVICE
DISPLAY
PRINTER
545
507
515
520